



**Reliability Report
(Q2016-009)**

**CPC2907B Product Qualification
Dual Single-Pole, Normally Open OptoMOS
Relay**

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IXYS Integrated Circuits Division
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Summary

The CPC2907B product has successfully passed IXYS ICD's requirements for product qualification.

Table 1: Device Information

Product Number	CPC2907B
Package Type	8 Pin Power SOIC
Assembly Site	ATEC Philippines
Test Site	IXYS ICD BEV, Beverly, MA, USA

Table 2: Reliability Test Result

Stress Test	Stress Conditions	Applicable Specs	Product/ Package	Sample Size(SS)	# of Failures
Thermal Shock	0 to 100°C, 10/10 dwells, 15 cycles	Mil-Std-883, M1011	CPC2907B	55	0
			TE3548	55	0
			TE3573	55	0
Temperature Cycle	-55 to 125°C, 10/10 dwells, 300 cycles	Mil-Std-883, M1010, "B"	CPC2907B	55	0
			TE3548	55	0
			TE3573	55	1
Hot Storage	125C, 1000 hrs	JESD22-A103-C	CPC2907B	50	0
			TE3548	50	0
			TE3573	50	0
MSL	IR Reflow, Level 1	J-STD-020D.1	CPC2907B	25	0
			TE3548	25	0
			TE3573	25	0
			TE3574	25	0

Approvals

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